****

**INDUSTRIAL REPORT (CICT)**

**GROUP 7 (SECTION 08)**

**MEMBERS:**

1. **MUHAMMAD MAHFUZUR RAHMAN**
2. **MUHAMMAD ALIEMEEN FARHAN BIN RAMZEE**
3. **MUHAMMAD SYAFIQ BIN MOHAMAD SHAIFUDIN**
4. **MUHAMMAD HAZMAN NASRULLAH BIN SUKIMAN**
5. **MAAD YASEER ABDULLAH ABDULJABAR**

**LECTURER:**

**DR. AZURAH BINTI A. SAMAH**

**VISIT TO CICT**

An industrial talk and visit about Centre for Information and Communication Technology (CICT) has been held on 1st October 2018 after lunch time, approximately on 2:30 p.m. at block D07, Universiti Teknologi Malaysia (UTM). We (Ali, Hazman, Maad, Mahfuzur and Syafiq) as member of group 7 has arrived there at 2:15 p.m. The purpose of CICT is to help this university to archive the goals of UTM to become one of the leading universities in the world. In order to archive that, one of the initiatives by CICT is providing internet access for all students and staffs in UTM. Its help a lot in improving the way of learning and teaching here. As example, e-learning is really helpful because we can look and download the slide notes that the lecturer used to teach in the class. By using the same website, we still can use the e-learning to submit our assignment online, no more traditional way which is go to the lecturer’s room to submit our assignment.

Their vision for UTM is: “A frontier digital university spearheading academic centric service delivery”. And their mission is to lead in the development of an entrepreneurial digital ecosystem by nurturing digital professionals and promoting collaborating digital services. CICT is a support unit that offers and delivers ICT services for the university (staffs and students) especially in ICT infrastructure, system develop and academic/administrative activities. They provide services like student’s lab, UTMID, WIFI, VPN. There are services like student management service and ICT instructional services. They have software like MYUTM portal, Microsoft DreamSpark, Microsoft office 365. Some rules during that talk is about UTM Dress Code is strictly observed here; Matric card is compulsory.

In CICT there is a lab for students where the following facilities are available:

-Computers (Windows platform 100 Computers)

-Project discussion area (3 Areas)

-Printing, scanning, and CD/DVD burning

-Specialize Multimedia and content Authoring Production Lab (SMAL)

In Specialize Multimedia and content Authoring Production Lab (SMAL), there are equipment’s like MAC PRO, Lighting and Croma Key, Whisper room, mixer. And there are software’s like:

1.Final Cut Pro

2.DVD Studio Pro

3.Sound Track Pro

4.Color

5.Aperture

6.Motion

7.iWork

8.iLife

9.Abode Suite

10.Roxio Toast

11.SDk

For the new students once registered, they can come to CICT to their:

\*UTMID/ ACID (UTM PORTAL | MYUTM: E-learning, My Profile, E-portfolio etc.)

\*UTM EMAIL

\*SOFTWARE ACCOUNT (Microsoft Office 365)

Academic Computing ID (ACID) is the unique ID assigned to the user through the authentication of the server. It is used to gain access to academic computing systems and other application systems. All students have their own user ID after registering the program through their respective faculties. Meanwhile, the staff must have official mail account first before applying UTM ACID account.

User: The staff and students of UTM, UTMSPACE, Post Doctorate UTM and guests allowed.

Method of Application / Usage: Students – Accounts ACID exist automatically after enrolling in the faculty program.

Staff – Need to apply for official mail from the mail and send e-mail application uses ACID official mail UTM.

**URL:** [**http://acid.utm.my**](http://acid.utm.my/)

And for accessing to UTM email, first access to <https://mail.live.utm.my> and for user id use your UTM/ACID e.g. [utmid@graduate.utm.my](mailto:utmid@graduate.utm.my) and the password that you have changed when creating the ACID account.

Universiti Teknologi Malaysia (UTM) encourages all students to use licensed software.

Therefore, the Information and Communications Technology (CICT) has been tasked with operating the software in UTM. As a service center licensed software to users in UTM, the CICT provides several rules that must be obeyed users.

CICT UTM has also been tasked with controlling the Microsoft website for use by all users at UTM. Microsoft ‘s software for FREE by MOE ([***Ministry of Education***](http://www.moe.gov.my/) ) to staff and students. The software is available in the [***Microsoft DreamSpark***](http://e5.onthehub.com/WebStore/Welcome.aspx?vsro=8&ws=71C8D2E6-909B-E011-969D-0030487D8897) website where all the information to get the software can be obtained at staff email ( [***gmail.com***](http://mel.utm.my/)) or email students ( [***mail.live.utm.my***](http://mail.live.utm.my/) ).

Key Features for internet provided by CICT:

* Accessing to Internet
* Accessing to UTMJB
* Fix IP for Access Point, Printer, CCTV, Door Access
* ICT for Development and Research
* Access to Internet
* Steadfast Internet Access for Resident College User
* Access to UTMKL
* Spreading of Fix/Static IP Address for Access Point, Printer, CCTV, Door Access, Server etc.
* Internet Bandwidth Sharing
* 1Gbps link to Internet
* 100Mbps dedicated link to Student College
* Gigabits support network (through fiber optic) for all building in UTMKL
* 24-hour care system to manage and conservation networking
* 2Gbps link to Internet
* 1Gbps link to Internet for Resident College through “4G WIFI by Yes@UTM” from YTL (until further notice)
* 100Mbps link between UTM JB – KL
* Gigabits support network (through fiber optic) for main building in UTM Johor Bahru
* Basic Internet Bandwidth Shaping.

Job Opportunity.

This document provides a snapshot of CICT Industrial Visit in the institute of University Technology Malaysia (UTM), the focus of this data collection is based on the details of journey, work plan, organization structure, information systems developed and maintain by CICT, job opportunity etc.; which I will further more illustrate.

CICT job opportunity; this phrase job opportunity is used by recruiters when they are trying to convey a feeling that is a rare opportunity to help and assist or develop individual base on their perspective, for instance: CICT job opportunity. This is a platform set aside for the student of UTM, in order for them to meet the 21st century market requirement. In the other hand plays vital role in the contribution of the student’s careers by exposing them practical aspect of the career. Furthermore, this platform helps the student or individual in acquiring new skills and improve in their creativeness.

It can be seen from the data that the CICT job opportunity is a great development from this organization in exposing the recruits or students to be specific to their careers.

Reflection

(1.1) My dream regard to my course is to become a Network architects/Network engineer to a big company such as Intel, Dell and Lenovo using information technology to make network systems for all their employees to use. By end my program in degree I hope that I can build data network that include local area networks (LANs), wide area networks (WANs), intranets and extranets. Network complexity can vary depending on the organization, and the company may have one dedicated engineer or many globally connected engineers working together with the Chief Technology Officer.

(1.2) Our opinion, visiting the CICT was of the greatest decision that we had make. Many things that we had learned after visiting CICT. It is one of eye opener to the industry field. It also shows that CICT offers and delivers ICT services for the university (staffs and students) especially in ICT infrastructure, system development and academic / administrative activities. To provide a excellent ICT services CICT need a good Network to give a best service to UTM staffs and student. From there, they need the best Network Engineer out there to help build the network that can cover whole UTM. Therefore, it gives a huge impact to us to become a good Network Engineer that have a deep knowledge not just in network but also others that related to ICT field such as software and security that are very related to network.

(1.3) The first benefit of CICT to student is CICT provide internet or we call it as Internet Service Provider (ISP). It allow us student for accessing, using, or participating in the [Internet](https://en.wikipedia.org/wiki/Internet) without limit through WIFI UTM.CICT also responsible to secure the network from threat such as virus or spyware .They also need a well-built Firewall so that hacker cannot hack the system .They also block some website that not follow the UTM policy, for example like Pornography and violent content. Next, CICT also a provide some licensed application to UTM staffs and student such as Autodesk, Microsoft Office, NVivo and Simul8.

Reflecting back on the industrial visit to Centre for Information and Communication Technology (CICT) at 1 October 2018, it was a wonderful opportunity to experience a visit to Computer Sciences centre as it ties in with our course. We felt that we had learned a lot and developed a vast amount of skills and knowledge from just one visit. The industrial visit was an eye opener to us as it shows us that there are still a lot of things and knowledge that we still did not learn and need to improve so we can be do better in this industry. First, the action that we must take for us to improve our potential in this industry is we need to manifest more of our knowledge and skills in IT field such as creating a website, multimedia designing or programming. Manifesting these skills can aid us to enhance our potential to perform more excellent in our job in varieties of area of field. Other than that, we can refer to the people who had vast experience or who are already worked in this type of field. By doing so, we can be aware of how these jobs occur in real life. Lastly, participating in a competition that relates to this sort of field can also boost our potential. Experience from participating competition can help us hones our skills in overcoming the problem in a short amount of time.